

19990410.qrp v01_n422.qrl.990410

Date: Sat, 10 Apr 1999 19:05:26 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1422

QRP-L Digest 1422

Topics covered in this issue include:

- 1) [37732] Re: Dummy Load Question
by George F Franklin <w0av@juno.com>
- 2) [37733] Re: Error message
by Tom Palmer <n1tp@worldnet.att.net>
- 3) [37734] Just in time for QRPTTF!
by VE3JC - John C <jbcumming@wwdc.com>
- 4) [37735] Re: Error message
by Tom Palmer <n1tp@worldnet.att.net>
- 5) [37736] Spring QSO Party; New Contest Manager
by "Cam Hartford" <camqrp@cyberg8t.com>
- 6) [37737] RE: OHR 500 FS
by Dan Copeland <kf0ov@alltel.net>
- 7) [37738] Re: Radio Shack Switching Power Supply
by Jerry Henshaw <jhenshaw@bellsouth.net>
- 8) [37739] The bargain power swr meter
by "rohre" <rohre@arlut.utexas.edu>
- 9) [37740] Measuring RF voltage, RF current
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
- 10) [37741] Dayton 1999 Room Status
by Hank Kohl K8DD <k8dd@contesting.com>
- 11) [37742] Re: Dummy Load Question
by Peter Larsen <larsenp@cadvision.com>
- 12) [37743] QSL Maker
by "wayne reed" <wlreed@viaduct.custom.net>
- 13) [37744] Mount Baker ARC QRP Talk
by "Bruce Prior" <n7rr@hotmail.com>
- 14) [37745] Moseley TA33 Jr. data needed
by James R Giammanco <n5ib@juno.com>
- 15) [37746] Re: QSL Maker
by D Bullard <dbullard@negia.net>
- 16) [37747] For Sale:TenTec OMNI VI+ w/CW filtres
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 17) [37748] FS:Kenwood TS-50 HF transceiver
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 18) [37749] Re: Dummy Load Question
by w4bws@juno.com
- 19) [37750] Re: Dummy Load Question

by w4bws@juno.com

20) [37751] OHR Acquisitiion by Milestone Technologies
by "Marshall Emm" <mgemm@mtechnologies.com>

21) [37752] Re: NC20 mods/additions
by MertNellis@aol.com

22) [37753] Re: How could we work this out???

by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>

23) [37754] Re: How could we work this out???

by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>

24) [37755] Re: Software
by Paul Erickson <paule@sfu.ca>

25) [37756] Re: 3B9R.....at 4.5 watts!!!!

by Paul Erickson <paule@sfu.ca>

26) [37757] Re: Basic
by Rod Cerkoney <rcw@frii.com>

27) [37758] TRAC keyer
by R Hayden <rhayden@dzn.com>

28) [37759] Re: Error message
by Brian Murrey <brian@iquet.net>

29) [37760] My signal went to Hawaii and all I got.....

by Brian Murrey <brian@iquet.net>

30) [37761] My signal went to Hawaii and all I got....

by Brian Murrey <brian@iquet.net>

31) [37762] Re: ARCI number?

by "Tony Fishpool" <g4wif@btinternet.com>

32) [37763] Re: Radio Shack Switching Power Supply
by DYARNES@aol.com

33) [37764] New RS mini-switcher sounds.... QUIET !

by "Radman" <radman@best.com>

34) [37765] Re: TRAC keyer
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

35) [37766] Re: Software
by Paul Erickson <paule@sfu.ca>

36) [37767] Re: My signal went to Hawaii and all I got.....

by "Brian J Keegan" <brimail@home.com>

37) [37768] Re: Software
by Michael Neverdosky <MichaelN@cycat.com>

38) [37769] Re: ARCI number?

by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>

39) [37770] Dayton QRP Banquet info
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>

40) [37771] Request for Assistance with Kent Touch Paddle Kit
by radioham@erols.com

41) [37772] 40 METERS
by Robert P Engelman <rengelwb8uoj@juno.com>

42) [37773] Re: 40 METERS
by dor <elbc@pivot.net>

43) [37774] WAS-QRP ??

- by "L. Jeffrey Hetherington" <jhetheri@npiec.on.ca>
- 44) [37775] Four Kinds of Spread Spectrum
by wd9eyb@butler.indiana.net
- 45) [37776] Assembly Notes for Kits
by Bradford D Bilbrey <bigdawg74@juno.com>
- 46) [37777] 40 meter dipole
by "Chuckee" <cdhamel@pdq.net>
- 47) [37778] Re: Software
by Bob Hightower <ki7mn@extremezone.com>
- 48) [37779] Re: Assembly Notes for Kits
by Michael Neverdosky <MichaelN@cycat.com>
- 49) [37780] FS: Unbuilt Norcal 38-Special Kit
by James P Rybak <jrybak@mesastate.edu>
- 50) [37781] Re: 40 meter dipole
by Hal Maney <hmaney@earthlink.net>
- 51) [37782] K2 & Water Soluable Solder
by Lee Bahr <bahr521@earthlink.net>
- 52) [37783] FS: all kinds of stuff
by Tom Bowman <tbowman@nbn.net>
- 53) [37784] WILD ROSES on Sat.
by Peter Larsen <larsenp@cadvision.com>
- 54) [37785] Unique "Micropaddle"
by "Steven Weber" <kd1jv@moose.ncia.net>
- 55) [37786] FW: Meter calibrations, linearity
by "rohre" <rohre@arlut.utexas.edu>
- 56) [37787] Re: 40 meter dipole
by Bruce Muscolino <w6toy@erols.com>
- 57) [37788] Re: Unique "Micropaddle"
by "chris cieslak" <ccieslak@law.uiuc.edu>
- 58) [37789] RE: 40 meter dipole
by N10DL@aol.com
- 59) [37790] I warble??
by Mighty Mik <mitymik@hooked.net>
- 60) [37791] Emtech Coax-Grabber - taking orders!
by Scott Gregson - KC7MAS <emtech@steadynet.com>
- 61) [37792] Re: Unique "Micropaddle" - "BullDog" Iambic Key by K9LU
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 62) [37793] CANADIAN QRP SPRING BOUQUET, Wild Rose
by Peter Larsen <larsenp@cadvision.com>
- 63) [37794] Re: Pulse Radio
by Clay N4AOX <wyn@worldnet.att.net>
- 64) [37795] Hooked on Tests....
by Fred Lesnick <flesnick@tbaytel.net>
- 65) [37796] Re: Pulse Radio
by "Graeme Zimmer" <gzimmer@vic.bigpond.net.au>
- 66) [37797] Unbuilt 38-Special Sold.
by James P Rybak <jrybak@mesastate.edu>

Date: Fri, 9 Apr 1999 17:52:57 -0500
From: George F Franklin <w0av@juno.com>
To: jeffj@scott.net
Cc: qrp-1@Lehigh.EDU
Subject: [37732] Re: Dummy Load Question
Message-ID: <19990409.175258.-68063.0.W0AV@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Mont

It all depends how well your dummy load is shielded.

I once worked the east coast using a light bulb for a dummy load with my 25W rig!

Most real dummy loads are very well shielded and there would be negligible leakage.

72 de George/W0AV

Date: Fri, 09 Apr 1999 19:20:13 -0400
From: Tom Palmer <n1tp@worldnet.att.net>
To: ku7y@dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [37733] Re: Error message
Message-ID: <370E8B2D.EE4FF94@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

It's Microsoft's software screwing up
and blaming it on you.

Tom, N1TP, Naples, FL.

Ron Stark wrote:

> Hi All,
>

> Not QRP....
>
> I often get a message on the screen saying that "this
> program has preformed an illegal operation and will
> be shut down".
>
> It is never something I am using and is something
> called "TSADBOT".
>
> Does anyone know what this is and what to do to stop
> it?
>
> Thanks,
>
> 73, Ron, SOWP 5545M,
>
>KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
>ku7y@sage.dri.edu.....Washoe Lake, Nevada....
>QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

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Date: Fri, 09 Apr 1999 19:34:50 -0400
From: VE3JC - John C <jbcumming@wwdc.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, QRP-CANADA <qrp-canada@lists.gpfn.sk.ca>
Subject: [37734] Just in time for QRPTTF!
Message-ID: <370E8E9A.9D0CD004@wwdc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Check this out!

<http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=88801287>

A 150 foot portable telescoping tower, bidding starting at only \$100 per foot. Wouldn't this be a nice toy to take along with the Sierra.

Have a good weekend! 72, John VE3JC

Date: Fri, 09 Apr 1999 19:37:27 -0400
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [37735] Re: Error message
Message-ID: <370E8F37.DB6DB0DC@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Tom Palmer wrote:

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Date: Fri, 9 Apr 1999 16:42:25 -0700
From: "Cam Hartford" <camqrp@cyberg8t.com>

To: <qrp-1@lehigh.edu>
Subject: [37736] Spring QSO Party; New Contest Manager
Message-ID: <009301be82e2\$a07cb620\$4d47cbd1@Camqrp>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Group -

(Soft weepy violin music in the background...)

Old contest managers don't die, they just slowly get buried under a mountain of entries.

And so it is with this Old Contest Manager, from under my paperwork mountain I reach out (sniff), my fingers just barely reaching the keyboard (groan), tapping out one last message:

Party Down this weekend!!

QRP ARCI Spring QSO Party, that is. Lots of hours, lots of participants, lots of contacts!

And when you are done partying and ready to mail your entry, don't send it to me. Ship it off to the new ARCI Contest Manager, Joe Gervais AB7TT. That's right, Joe has happily accepted the job. He's the same Joe who has done such a good job bringing you the likes of BUBBA, FYBO and QRPTTF. I haven't been able to pin him down yet on whether he's going to start sending out Pork Rinds and Cheetos for contest prizes, I guess we'll all have to wait and see what new tricks he has up his sleeve.

Let's all welcome Joe with a big turnout, and a *really big* mountain of entries. Yeah, that's it. Let's break him in right!

See you-all on the bands,

Cam N6GA

PS - Plenty of NC-20 to NC-20, K-2 to K-2, NC-20 to K-2 Qs guaranteed.

Date: Fri, 09 Apr 1999 18:42:18 -0500
From: Dan Copeland <kf0ov@alltel.net>
To: qrp-1@Lehigh.EDU
Subject: [37737] RE: OHR 500 FS
Message-ID: <199904092342.SAA26481@mail.alltel.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to all who responded to my offer to sell
my OHR 500. It has found a new home. This list
is great.

Dan
Dan Copeland N0DT
kf0ov@alltel.net

QCWA Webmaster* ARRL-life member*
QRP-L 1004, ARCI - 9670, OHR-500
<http://www.qcwa.org> | <http://www.dcopeland.com>
"I want to die peacefully in my sleep like my grandfather,
not screaming in terror like his passengers."

Date: Fri, 9 Apr 1999 19:59:08 -0400
From: Jerry Henshaw <jhenshaw@bellsouth.net>
To: "'QRP List'" <qrp-1@Lehigh.EDU>, "'elecraft@qth.net'" <elecraft@qth.net>
Subject: [37738] Re: Radio Shack Switching Power Supply
Message-ID: <01BE82C3.70C8E440@host-216-77-215-121.fll.bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

I went out and bought the Radio Shack Switching power supply for use with
my K2. The supply works great!!! Under about a 2.25 amp load the AC
ripple was about 100mv. The unit puts out 13.6 volts during rx and 13.0
volts transmitting at 10 watts. I hear no switching noise or AC hum
while using the unit. This unit comes with a carrying case as well!
It is just right for taking on trips.... which I plan to do in a couple weeks.

Thanks for the heads up. BTW my Radio Shack store only had one of these in stock.

All the Best and 72s,

Jerry Henshaw
KR5L/4

Date: 9 Apr 1999 18:59:10 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [37739] The bargain power swr meter
Message-ID: <n1288438129.39033@msmailgw1.arlut.utexas.edu>

The query about commercial swr and power meters brings back the best kept secret on this list.

Ten Tec has a heavy duty Power & SWR meter kit, that is easy to build, and stays on the desk even with RG 8 feed lines on it because the case is double walled steel. Yet, it is compact enough for back packing portable or field day operations.

It covers HF and 2M with two couplers. Although rated to a maximum of 200 watts, it has a range switch, and at calibration time the 200 watt scale can be made 20 watts, and the 20 watt scale 2 watts. 1/4 watt rig output is easily seen on the 2 Watt scale.

Best of all the meter is powered internally by 9Volts or externally by your station power. And Best of best, the price is only \$49!

See the Ten Tec web page! I do not work for Ten Tec, but I came up with the simple way to mod these meters to work as QRP power meters-turn the cal pots!

72, Stuart K5KVH

Date: 09 Apr 1999 20:01:46 -0400
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
To: qrp-l;;
Subject: [37740] Measuring RF voltage, RF current
Message-ID: <1999Apr09.200146-0400@[130.113.234.7]>

Gang,
Have just added some tutorial stuff to the

elmer101 website showing a few simple circuits that you can build (and understand) in an evening. One is a QRP dummy load, with an RF voltage detector attached.

The other is a QRP current probe, for measuring RF output current from your QRP rig.

Either can be used to measure your rig's output power. They're both broadband detectors that require a DC multimeter and some simple calculations. A tutorial is included that explains the measurement theory. They're so simple - everyone oughta have at least one of these probes to check out (and tune) a rig.

Intend to add a full-blown SWR meter in the future.

Here's the website, its at the bottom of the list of topics:

<http://engphys@mcmaster.ca/~elmer101>

Glen VE3DNL

Date: Fri, 09 Apr 1999 20:09:04 -0400
From: Hank Kohl K8DD <k8dd@contesting.com>
To: qrp-l@lehigh.edu
Subject: [37741] Dayton 1999 Room Status
Message-ID: <4.1.19990409195859.014bf090@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

As advertised, the Dayton Hamvention '99 is only about 4 1/2 weeks away.

As of today, we have two rooms that are not spoken for, and 27 rooms that are not confirmed.

In the event that some of these rooms are not confirmed in the next 7 to 10 days, we will either have a handful of rooms available for \$72 + tax per night or a handful of rooms to turn back in to Days Inn.

Anyone looking for a room for 2 or more nights at Dayton Hamvention - let me know.

Days Inn is the "QRP Hotel" and home of the

"Four Days in May" 99 QRP Conference as
described at <http://www.qrparci.org/fdim99.html>

73 Hank K8DD

*/ Hank Kohl K8DD k8dd@arrl.net
*/ ARRL TS <http://www.tir.com/~k8dd>
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/ G-QRP ARRL/LM QCWA/LM QCAO/LM

Date: Sat, 10 Apr 1999 00:19:32 +0100
From: Peter Larsen <larsenp@cadvision.com>
To: jeffj@scott.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [37742] Re: Dummy Load Question
Message-ID: <370E8B04.852FC4FF@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jeff Johns wrote:

> My answer is "No" based on the fact that there are no radio waves >entering
> the air :)
>
> 73 Jeff W4JEF

I once worked half of a 160 meter contest on my dummy load.
After I noticed my antenna switch's position I changed
over to my antenna. My rate dropped a whole bunch
when I went to the antenna.
Ohh well.

--

73 es have fun
Peter
VE6YC D021wc

Artificial intelligence is no match for natural stupidity.

Date: Fri, 9 Apr 1999 19:29:23 -0400
From: "wayne reed" <wlreed@viaduct.custom.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [37743] QSL Maker
Message-ID: <001f01be82e0\$f9acf720\$4c4961ce@q7c8d5>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The program works great! Easy to use too.

My only problem is that I wanted to put a photo into it as background. I used a .bmp photo. My first mistake was that the photo was large [bigger than the card] and I assumed that was the problem.

After trimming the photo, I still can't get it to load. I was trying to load it first [without the call or the address]. I will do some more experimenting.

Are any of you really familiar with this program? Until I got to the photo, everything went really smooth.

Wayne <wlreed@custom.net>
K9NE

Date: Fri, 09 Apr 1999 17:45:54 PDT
From: "Bruce Prior" <n7rr@hotmail.com>
To: qrp-l@Lehigh.EDU, qrp-canada@lists.gpfn.sk.ca
Subject: [37744] Mount Baker ARC QRP Talk
Message-ID: <19990410004555.7203.qmail@hotmail.com>
Mime-Version: 1.0
Content-type: text/plain

QRPers

I ve been invited to speak about QRP on Tuesday April 13 at 1900 PDT at the Mount Baker Amateur Radio Club in Ferndale, Washington. Are there any other QRPers out there who would like to attend? Please bring along any home-brew / kit QRP projects to show off, and be prepared to spin some QRP yarns as well. You might want to e-mail me

privately at n7rr@hotmail.com . Meanwhile, I ll be gobbling up some wisdom from Ade Weiss HISTORY OF QRP and Dave Ingram s HOW TO GET STARTED IN QRP.

Directions: The meeting takes place in Tillicum House in the Ferndale Pioneer Village at the Southwest end of 1st Avenue in Ferndale. That s latitude 48.84250 north, longitude 122.59207 west. (Yep, I stopped by today and defined a waypoint there with my GPS! 8=)

72, Bruce Prior N7RR/VE7HR n7rr@hotmail.com

Get Free Email and Do More On The Web. Visit <http://www.msn.com>

Date: Fri, 9 Apr 1999 18:50:31 CDT
From: James R Giammanco <n5ib@juno.com>
To: qrp-l@Lehigh.edu
Subject: [37745] Moseley TA33 Jr. data needed
Message-ID: <19990409.185033.6311.0.N5IB@juno.com>

I just dragged out of the attic what I am reasonably sure is a Moseley TA-33 Jr. tribander. It's been there for a good 15 years or more. A friend here in Baton Rouge wants it but I apparently have lost the instructions and parts list, and there is one piece of tubing missing, I believe.

Does anyone have the information on this antenna? I also suggested to him that he contact Moseley directly

Jim N5IB
n5ib@juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 09 Apr 1999 21:08:57 -0400
From: D Bullard <dbullard@negia.net>
To: qrp-l@Lehigh.edu
Subject: [37746] Re: QSL Maker
Message-ID: <3.0.5.32.19990409210857.007c9540@pop.negia.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I ran into the same problem and finally figured out that I needed to include the complete path to the image. Example: C:\MyImages\Photo.bmp (It may seem obvious in retrospect but for some reason it wasn't at the time.)

Where "MyImages" is the folder/directory where Photo.bmp is located.

This is indeed an excellent program and lots of fun to play with. I printed up a few and the results were fantastic. Simple QSLs are of course just as useful as the fancy ones.

Even if you only have an ink jet or laser printer that prints black, you should give QSL Maker a try. My hat is off to WB8RCR.
72/73,

Don WA4IML
Athens, GA

At 07:29 PM 4/9/99 -0400, you wrote:

>The program works great! Easy to use too.

>

>My only problem is that I wanted to put a photo into it as background. I
>used a .bmp photo. My first mistake was that the photo was large [bigger
>than the card] and I assumed that was the problem.

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>load it first [without the call or the address]. I will do some more
>experimenting.

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>Are any of you really familiar with this program? Until I got to the photo,
>everything went really smooth.

>

>Wayne <wlreed@custom.net>

>K9NE

>

Date: Fri, 9 Apr 1999 21:18:59 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [37747] For Sale:TenTec OMNI VI+ w/CW filters

Message-ID: <199904092120_MC2-7126-7C65@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Gang:

Well the OMNI is officially for sale. I am doing this reluctantly, as the rig is absolutely a dream outfit.

It is an OMNI VI (Option 3) and includes genuine TenTec filters in all available slots. Includes the narrow 250hz CW filter. Sale includes the matching TenTec model 261 Power Supply/Speaker.

The rig is in excellent condition, and appears unused. No marks. It has never been abused, nor operated in a field location. The receiver is ultra low noise, and it has the legendary DSP which will bring a practically inaudible signal into the clear and well above the noise. It is terrific for DXing and FOX hunting, of course.

Rig can go way below QRP levels, and up to 100 watts out. I have never felt the need to push it to QRO, but there it is :-).

Will sell for only \$2050 which includes insured shipping in the continental USA. Have original packaging and manuals.

Need to sell ASAP, hopefully over this weekend. The first money order or certified check gets it. Thanks for your kind attention..

72,

--Doc Lindsey/K0EVZ
DSBF
PO BOX 7187
Bismarck, ND 58507
70511.3041@compuserve.com

Date: Fri, 9 Apr 1999 21:18:58 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [37748] FS:Kenwood TS-50 HF transceiver
Message-ID: <199904092120_MC2-7126-7C64@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit

Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Gang:

Offering For Sale my excellent Kenwood TS-50 at a newly-reduced price.
Like-new in appearance and operation. Has been meticulously well cared
for.

Rig covers all ham bands 160-10 Metres. CW or SSB. Capable of operation
from QRP clear up to up to 100 watts out (sic!). Receiver is quiet and
extremely sensitive. It is a delight to operate.

If you ever wanted a compact rig for either fixed QTH or mobile operation,
this is it. I like the rig very much, but it is simply excess here at
K0EVZ.

Have original Kenwood microphone, mounting bracket for mobile, Kenwood
power cord, original manual and shipping carton. Also includes the Kenwood
CW filtre (500 hz) installed.

Only \$595.00 including insured shipped in CONUS.

72,

--Doc Lindsey/K0EVZ
DSBF
PO BOX 7187
Bismarck, ND 58507
70511.3041@compuserve.com

Date: Fri, 9 Apr 1999 21:51:14 -0700
From: w4bws@juno.com
To: applitech@mcg.net
Cc: qrp-1@Lehigh.EDU
Subject: [37749] Re: Dummy Load Question
Message-ID: <19990409.215851.-232291.3.w4bws@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yup, if you can hear them you often can work them.
Don W4BWS

On Fri, 9 Apr 1999 14:39:30 -0500 applitech@mcg.net (Claton Cadmus)

writes:

>Carl Zmola <zmola@campbellsci.com> asked:

>

>> OK, I can see transmitting, but how well does a dummy load
>> receive?

>

>Just as good and with the same efficiency as it transmits. ;-)

>----

>73 de KA0GKC Claton Cadmus

>cla@mcg.net

>MNQRP #1

>Minnesota QRP'ers we're looking for you!

>Email me or visit this page <http://www.qsl.net/mnqrp>

>

>

>

Don Sanders W4BWS

694 E. Eau Gallie Blvd

Satellite Beach ,FL 32937

My favorite QRP rig glows in the dark

Date: Fri, 9 Apr 1999 21:41:54 -0700

From: w4bws@juno.com

To: montp@synacom.com

Cc: qrp-1@Lehigh.EDU

Subject: [37750] Re: Dummy Load Question

Message-ID: <19990409.215851.-232291.2.w4bws@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

According to the FCC rules you need a license to generate any signal on an amateur frequency. And you should ID because even the best of the dummy loads and coax cables will leak some signal depending on how long the coax is. I have had some outstanding contacts on the dummy load. For a kick, try putting a 50 ohm resistive dummy in the center of a 40 meter dipole with one leg connected to each end on the load resistor and feed it with 50 ohm coax. You will have a great low SWR on all hambands and many contacts, no antenna tuner needed.

Don Sanders W4BWS

694 E. Eau Gallie Blvd

Satellite Beach ,FL 32937
My favorite QRP rig glows in the dark

On Fri, 09 Apr 1999 09:33:58 -0700 "Mont Pierce, KM6WT"
<montp@synacom.com> writes:
>Ok, here's a really dumb question:
>
>When your testing a transmitter with a dummy load
>do you need to ID? Do you even need to have a license?
>
>
>73,
>km6wt
>

Don Sanders W4BWS
694 E. Eau Gallie Blvd
Satellite Beach ,FL 32937
My favorite QRP rig glows in the dark

Date: Fri, 9 Apr 1999 20:55:38 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu, cqclist@mtechnologies.com
Subject: [37751] OHR Acquisition by Milestone Technologies
Message-ID: <199904100255.UAA15108@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Got back from Michigan at 8 this morning, with Oak Hills Research (lock, stock, and barrel) in the back of a truck. I am planning to issue a formal announcement this weekend, but since it seems the cat has escaped it's bag, I'll confirm it now.

Dick Witzke and I have known each other for years, and I was delighted to be in a position to purchase Oak Hills when Dick decided it was time to retire. He has done a great job with it, and I certainly intend to continue with the same level of quality and support. It's very much like the "Remington" story-- I liked the kits so much I bought the company [g]. And how could Morse Express claim to offer "Everything for the Morse enthusiast" without a transceiver or two?

The Oak Hills identity will be retained, and for all practical purposes will be operated as a separate entity within Milestone Technologies, Inc.

If all goes according to plan I will be able to start shipping kits on Monday, but I'm sure you will understand if there are a few glitches while I get it sorted out.

Many thanks for all the good wishes, and for your support, past and future.

73

Marshall Emm

N1FN/VK5FN

n1fn@MorseX.com

Morse Express and Oak Hills Research

"Everything for the Morse Enthusiast"

<http://www.MorseX.com>

<http://www.ohr.com>

(303)752-3382

--

Date: Fri, 9 Apr 1999 23:13:13 EDT

From: MertNellis@aol.com

To: qrp-l@lehigh.edu

Subject: [37752] Re: NC20 mods/additions

Message-ID: <c3701951.24401bc9@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hi Todd,

To aid in zero beating a station that I want to work, I built a resonant loud speaker that is tuned to my sidetone (my offset is equal to my sidetone) so that as I tune in a station, when the beat resonates to my speaker, I am at zero beat when I transmit. A recent qrp quarterly had details on building a resonant loudspeaker using a piece of PVC pipe. I used a tuna can and it may not be as good as the pipe but I can tell when I am at the proper note (smells good too). :-)

Todd said:

>I had a big rig once that had a "spot" button that
>just sent sidetone to audio output (no tx) so when you were tuning
>into a station calling CQ you could get it dead on before you

>answered.

72 Mert WOUFO

Date: Fri, 09 Apr 1999 23:22:04 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: Ron Stark <ku7y@dri.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [37753] Re: How could we work this out???
Message-ID: <370EC3DC.A6F3D1F@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

You're absolutely right Ron. George is a friend and I know how hard this magazine/club business can get. As I said, I wouldn't want my thoughts here to be misunderstood as complaining about any of the clubs or publications. They all do great work. I'm simply observing that since the deadlines are not as hard and fast as they are in the commercial publishing world, every quarter or so we get a lot of folks (from most of the clubs) asking what is up and if we could figure out a way to share that information we could avoid some of the e-mailing brought about by impatience.

Ron Stark wrote:

>
> Hi Skip,
>
> You bring up a good point and it sure is valid!
>
> As for the ARCI Quarterly, it is still done on a Jan, April,
> July and Oct basis. Due to some changes in editor and then
> the new editor getting a promotion and moving his household,
> and a few other large projects on his plate, two issue of
> the Quarterly have been, understandably late.
>
> The April issue is (as far as I know, still at the printers).
> I will be doing the July issue and it will be back on track
> time wise.
>
> George has done a super job as editor, much better than I did,
> but with all the new events in his life he has to give that
> hat up!
>
> I'd like to thank George for what he has done and let all

> know that I wish he could pull off working 35 hours per day!
>
> Your concern about when to expect your magazine is one of
> the major reasons that I like having the month it is due
> right up front.
>
> I'll check with our WEB master and see if he can put a
> "when is it due" box on the home page.
>
> cul,
>
> 73, Ron, SOWP 5545M,
>
>KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
>ku7y@sage.dri.edu.....Washoe Lake, Nevada....
>QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Fri, 09 Apr 1999 23:29:39 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: jmlowman@ix.netcom.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37754] Re: How could we work this out???
Message-ID: <370EC5A3.E41BABF1@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

My point exactly... Guys Like Doug, Jim, George and so many others give so much of their personal time to put out really high quality publications for us that it is a shame that they often get inundated by e-mails around-about publishing time by folks wondering when the next issue is going to hit the mail. If we, as a group, could figure out a common way to let folks know when things are likely to hit the streets, all the various editors and publishers would be blessed with a lighter

load on their mail servers.

Jim Lowman wrote:

> I agree, Skip. I had heard that the Winter issue of QRPP was delayed,
> and
> am not sure if it is out yet, if I failed to renew, or it got lost in
> the
> mail. And, I certainly hate to bug Doug or Jim about it.
>
> 72 de Jim - AD6CW

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Fri, 9 Apr 1999 20:37:47 -0700 (PDT)
From: Paul Erickson <paule@sfu.ca>
To: Mercxx@aol.com
Cc: qrp-l@lehigh.edu (qrp)
Subject: [37755] Re: Software
Message-ID: <199904100337.UAA10610@fraser.sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Steve,

For general logging, I would recommend LogEQF, for contesting
TRlog, and there is a public domain version of Mini Prop floating
around somewhere.

cheers, Paul - VE7CQK

>
> Hi all,
> Getting my computer up to speed for logging and propagation. Can anyone
> recommend a good propagation program and one for logging? I hope this is not
> to far off topic. Thanks.
>

> 73s
> Steve
> N4TKP
> FISTS 4922
> QRP-L #1763
> G-QRP 10248
>

Date: Fri, 9 Apr 1999 20:55:03 -0700 (PDT)
From: Paul Erickson <paule@sfu.ca>
To: ab5uacw@juno.com
Cc: qrp-l@lehigh.edu (qrp)
Subject: [37756] Re: 3B9R.....at 4.5 watts!!!!
Message-ID: <199904100355.UAA13437@fraser.sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Excellent Clif,

I've never heard them well enough to try up here yet. What antenna
are you using?

cheers, Paul - VE7CQK

>
> I don't normally crow, but dang, I got 'em QRP! You don't ever know,
> till you try.
> My buddy Bill, N5LU, said I couldn't do it.....so I had to try. They had
> the best signal, of the week, last night on 20m. Sent old Bill walking
> away shaking his head, again ;-) Don't EVER be afraid to try!
>
> Good luck,
>
> Clif
>
>
> Clifton Sikes AB5UA QRP-L #478
> Earlsboro, Ok.
> ab5uacw@juno.com
>
>
> -----
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
> or call Juno at (800) 654-JUNO [654-5866]

>

Date: Fri, 09 Apr 1999 22:19:32 -0600
From: Rod Cercone <rwcc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [37757] Re: Basic
Message-ID: <4.1.19990409221821.00911280@mail.frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks:

At 11:42 PM 4/7/99 -0600, you wrote:

>What LED are you using? We need to know it's spec Voltage & max current,
>before crafting the correct circuit. If the LED is a 12V type the circuit
>is simple, a resistor in series with the LED. The value of that resistor
>will be 12V/the LED current rating.

>

>If the LED requires less voltage, typ is 2-4V, then you will need a voltage
>divider network to drive you LED.

>

Just don't know where my head was at when I wrote this. It is mostly wrong,
but was not meant to mislead anyone. Clearly one series limiting resistor
is all that is needed. My apologies to all.

Thanks to those who pointed out my mistake in a less than polite manner.

72/3 N0RC
Rod Cercone, QRP-L #1764.
Fort Collins, CO
da di dah

Date: Fri, 9 Apr 99 23:10:03 MST
From: R Hayden <rhayden@dzn.com>
To: qrp-1@Lehigh.EDU
Subject: [37758] TRAC keyer
Message-ID: <199904100503.BAA69296@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The problem has been solved. Whoever had it before did a job (three ways to sunday!) on wiring the input stereo jack.

A big thanks goes to Ken, w8ek Bruce, w6toy and Jim, w7ls for their advice-which may still come handy before I am done checking out the whole thing.

Also, a great big thanks to Pete, ve5va for a diagram of the bugger and pointing me at the phone jack.

Ya'll have solved another one!

Richard Hayden-call pending

Date: Fri, 9 Apr 1999 22:31:05 -0700
From: Brian Murrey <brian@iquest.net>
To: n1tp@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [37759] Re: Error message
Message-ID: <370EE218.4818930B@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

TSADBOT.EXE is an annoyance file that is packed with many freeware packages. The biggest one seems to be the PKware PKZIP utilities for Windows.

This BOT.EXE program waits for you to fire up Internet Explorer and then tries to show you advertisements from predetermined websites.

The error can arise from several different causes, not using Internet Explorer, website ad it is requesting is down or gone....it's just a real pain in the neck but it isn't from Microsoft.

Tom Palmer wrote:

> It's Microsoft's software screwing up
> and blaming it on you.
>
> Tom, N1TP, Naples, FL.
>
> Ron Stark wrote:
>
> > Hi All,
> >

> > Not QRP....
> >
> > I often get a message on the screen saying that "this
> > program has preformed an illegal operation and will
> > be shut down".
> >
> > It is never something I am using and is something
> > called "TSADBOT".
> >
> > Does anyone know what this is and what to do to stop
> > it?
> >
> > Thanks,
> >
> > 73, Ron, SOWP 5545M,
> >
> >KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
> >ku7y@sage.dri.edu.....Washoe Lake, Nevada....
> >QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....
>
> Tom, N1TP. Naples, FL.
>
> Ron Stark wrote:
>
> > Hi All,
> >
> > Not QRP....
> >
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> > program has preformed an illegal operation and will
> > be shut down".
> >
> > It is never something I am using and is something
> > called "TSADBOT".
> >
> > Does anyone know what this is and what to do to stop
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> >
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> >
> > 73, Ron, SOWP 5545M,
> >
> >KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
> >ku7y@sage.dri.edu.....Washoe Lake, Nevada....
> >QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

--

=====

KB9BVN: Norcal 40A - 1.8W - Attic Dipole
FISTS: 5695 NORCAL: 2792 QRP-L: 1540 ARRL
QTH: Central Indiana, GRID: EM69WN

=====

Date: Fri, 9 Apr 1999 22:41:04 -0700
From: Brian Murrey <brian@iquest.net>
To: qrp-l@Lehigh.EDU
Subject: [37760] My signal went to Hawaii and all I got.....
Message-ID: <370EE470.27992ED4@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks Dean!! I now have Hawaii in the books and you are my farthest contact.

2800 Miles per watt, Indy to Hilo, on 1.5 watts. (I just measured it)

I need 10 more states to work, so far I have 37 confirmed, and 40 worked, for a 40M QRP WAS award.

I really appreciate your help Dean.

I need to work and confirm:

AK, ID, ME, MT, NE, NH, RI, UT, VT, and WY

I have worked, and need confirmed:

NM, HI, MD

Paul NA5N of NM...did you get my QSL from the CQC contact? I wasn't sure if I had your correct address. Thanks.

--

=====

KB9BVN: Norcal 40A - 1.8W - Attic Dipole
FISTS: 5695 NORCAL: 2792 QRP-L: 1540 ARRL
QTH: Central Indiana, GRID: EM69WN
Proud Member of the ARRL

=====

Date: Sat, 10 Apr 1999 00:42:28 -0500
From: Brian Murrey <brian@iquest.net>
To: qrp-1@lehigh.edu
Subject: [37761] My signal went to Hawaii and all I got....
Message-ID: <370EE4C4.E3084B13@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks Dean!! I now have Hawaii in the books and you are my farthest contact.

2800 Miles per watt, Indy to Hilo, on 1.5 watts. (I just measured it)

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AK, ID, ME, MT, NE, NH, RI, UT, VT, and WY

I have worked, and need confirmed:

NM, HI, MD

Paul NA5N of NM...did you get my QSL from the CQC contact? I wasn't sure if I had your correct address. Thanks.

--

=====

KB9BVN: Norcal 40A - 1.8W - Attic Dipole
FISTS: 5695 NORCAL: 2792 QRP-L: 1540 ARRL
QTH: Central Indiana, GRID: EM69WN

=====

Date: Sat, 10 Apr 1999 08:21:06 +0100
From: "Tony Fishpool" <g4wif@btinternet.com>
To: <njqrp@njqrp.org>, "QRP-1" <qrp-1@lehigh.edu>
Subject: [37762] Re: ARCI number?
Message-ID: <009e01be8322\$d5814c60\$c5fbabc3@p75>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Maybe as GQRP "lurker" on the NJQRP & QRP-L lists I can jump in here. Skip suggested that publishing and mailing dates could be posted on our website. The trouble is, that date isn't known far enough in advance. Like ARCI and NORCAL, the editors have pressing day jobs and SPRAT gets finished within a rough time frame. Once it does go off to the printers, George Dobbs will post a message on GQRP-1 and QRP-1.

Lately, I've taken to expanding that on the club website
(<http://www.btinternet.com/~g4wif/gqrp.htm>) with contents of the upcoming SPRAT.

So I think the best we can do is announce it's imminent arrival - and then sit back and wait. If you need to check your member status, then an e-mail will do it. Presumably, the same applies to the other clubs mentioned.

Kind regards
Tony - G4WIF

Date: Sat, 10 Apr 1999 03:50:02 EDT
From: DYARNES@aol.com
To: flydnq7x@primenet.com, qrp-1@lehigh.edu
Subject: [37763] Re: Radio Shack Switching Power Supply
Message-ID: <6695abda.24405caa@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 4/9/99 4:00:08 PM !!!First Boot!!!, flydnq7x@primenet.com writes:

<< Must be new '99 catalog(my current cat is 98)???? ...assume it works on 220AC >>

It sure does! I forgot to mention that little fact. Sorry about that. Book says input voltage can be anything from 90 VAC to 240 VAC. Man, that would be perfect for my trip next week. We head for Istanbul on Wednesday and then 10 days cruising the Mediterranean, ending in Athens. If this little power supply had been in my possession a few weeks earlier I might have been inclined to apply for reciprocal privileges and take something along. It's actually smaller than a 7ah battery, and weighs a heck of a lot less! The NC20 or my Sierra would have been perfect.

Someone posted that Samlex has a similar unit, but a lot cheaper, that is available at Fry's. The "cheaper" part wouldn't surprise me (because I have never felt Radio Shack stuff was particularly "bargain priced"), but don't know much about the unit itself. As I said previously, however, I have a bigger Samlex and it works FB. Don't know why the smaller unit wouldn't be as good.

Dave W7AQK

Date: Sat, 10 Apr 1999 01:12:57 -0700
From: "Radman" <radman@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [37764] New RS mini-switcher sounds.... QUIET !
Message-ID: <199904100810.BAA04807@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Traveling QRPers,

The early rave reviews on the new switch mode mini-PS from Radio Shack (#22-503) appear to be *fully* warranted! After waiting months for RS to stock this new power supply I was finally able to purchase one today. Tonight I've been tuning around the bands with the PS sitting right on top of my K2... it's as quiet as a battery :-) ! The PS measures: 1.9" X 3" X 7.5" and weighs a mere 0.89 pounds. It comes complete with attached AC power cord (2-prong mains), and a cute little padded vinyl carry case that holds the PS and cords. The case measures: 2" X 4.5" X 7.8." Specs are: universal 90-240VAC input voltage. Output is 13.8VDC +/- 5%. Output current is 3A continuous. Ripple

is 100mV RMS max. Operating temp is 32F to 104F. Price:
\$49.95.

The local RS had two of these PSs in stock, and I asked if I could measure the output voltage on the two units. The manager loaned me a DMM and I powered both units up. One had a no-load voltage of 13.79V and the other was 14.01V. (This is actually within the RS spec of 5%.) I bought the PS that measured 14.01V and tonight it's powering my K2 and maintenance charging the K2s internal battery. With the K2 in "hefty" RX mode, the PS voltage measures 13.98 volts. I tested the K2 on transmit into a dummy load at 12W. The PS voltage dropped to 13.78V at full power. That measurement was constant on all bands including 28MHz.

I'll order a shop manual for this product. We should be able to set the output voltage to 14V on all units, I would think. (That voltage being the Elecraft recommendation for charging K2's internal battery.)

I haven't had time to put a scope on this PS yet, but it _really_ sounds quiet! I'm very impressed :-) !!

72,

Conrad -- NN6CW

Date: Sat, 10 Apr 1999 06:50:54 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: R Hayden <rhayden@dzn.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37765] Re: TRAC keyer
Message-ID: <Pine.GS0.4.10.9904100632300.26029-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

In the era before the single chip keyer and the present encoded CPU keyers, the TRAC used an interesting technique of ensuring a full length first dot--they used a basic oscillator that ran at several times the actual baud rate for the code produced and divided down with flip-flops. Hence, only a fraction of a fraction of the first dot was lost.

I had one to use while designing a speed readout for them that would fit in the case with a cut-out for a couple of (then) LED digits. The higher-speed oscillator made the time constants shorted, allowing virtually instantaneous speed read, even though it used the old standard

speed pot. Unfortunately, they ceased operations before implementing it--and technology has long passed the "board full of chips keyer." However, it produced very reliable and clean CW.

Some of the designs, ranging from the simple to the very complex, can be useful to those wanting to get a hand-hold on digital techniques in an environment that is slow, that involves only cheap chips, and that has enough separation of function to let one check with simple test equipment what is happening where and how it goes together to create a desired output. Some of the older designs of Morse keyboards using diode matrices fed to a keyer circuit can even assist in squaring away synchronous and asynchronous concepts. Then you can better understand the capabilities of PIC, TIC, and Slick (the next generation), as well as the rules for implementing functions with them.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\ /\ *	/ / /	(Off) (423) 974-7215
1434 High Mesa Drive	/ \/\ \/\	----/\---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\ \ \ \	/ / /	(FAX) (423) 974-3509
37938-4443 USA	/ \ \ \ \		cebik@utk.edu
URL:	http://web.utk.edu/~cebik/radio.html		

Date: Sat, 10 Apr 1999 04:35:52 -0700 (PDT)
From: Paul Erickson <paule@sfu.ca>
To: jwodell@ameritech.net (Jerry W. O'Dell)
Cc: qrp-1@lehigh.edu (qrp)
Subject: [37766] Re: Software
Message-ID: <199904101135.EAA03788@fraser.sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>
> At 08:37 PM 4/9/99 -0700, you wrote:
> >Hi Steve,
> >
> >For general logging, I would recommend LogEQF, for contesting
> >TRlog, and there is a public domain version of Mini Prop floating
> >around somewhere.

>
> Confound it, noone ever gives URLS for such things -- kind of like
> saying, you won 1,000,000. Somewhere.
>
> Not really complaining. But I simply have no idea where you get TR
> whateveritis. I do use LOG-EQF.
>
> 73 jerry w8gnd

If I would have had a url, I would have given it. TRlog is advertised in the major Ham publications, and a search for N6TR will probably reveal the url.

cheers, Paul - VE7CQK - email: paule@sfu.ca

Date: Sat, 10 Apr 1999 08:20:49 -0400
From: "Brian J Keegan" <brimail@home.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [37767] Re: My signal went to Hawaii and all I got.....
Message-ID: <004901be834c\$9340c040\$12960318@cc1016490-a.vron1.nj.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Brian,

I will be in Maine and radio active near the end of May. If you still need it by then I'd be glad to plan a sked with you. The offer is open to anyone else who needs Maine as well. I usually operate between 5:30-7:00 AM and 8:00-10:00 PM, right coast time, and during the afternoons as situations allow.

My wife Ann, W2AZK, and I also plan to operate /P1 one afternoon from the top of Cadillac Mountain in Acadia National Forest near Bar Harbor. No details as of yet but if you hear us that's where we're at. Cadillac Mt, I'm told, is the highest point on the eastern seaboard. I was there once before and was able to see quite a way out to the Atlantic. I keyed up my little 1 watt 2 meter HT and caused about 12 repeaters to ID. It was hillarious. We'll be working HF and maybe 6 meters.

If you'd like to plan a sked reply direct and we'll arrange something as time appoaches.

Brian KF2HC
kf2hc@arrl.net

Date: Sat, 10 Apr 1999 08:53:57 +0000
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.edu>
Subject: [37768] Re: Software
Message-ID: <370F0395.2BC3E418@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

<http://www.qth.com/tr/>
Should get you there. It worked for me last night.

michael N6CHV

>> I simply have no idea where you get TR
> > whateveritis. I do use LOG-EQF.

Date: Sat, 10 Apr 1999 11:09:35 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: njqrp@njqrp.org
Cc: QRP-l <qrp-l@lehigh.edu>
Subject: [37769] Re: ARCI number?
Message-ID: <370F69AF.A7D15814@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I guess something like that might be the best we could hope for. If folks knew they could go to one place and see the publishing date and mailing date, then they would know that, if they didn't get their issue in due course they might want to contact the publisher.

Tony Fishpool wrote:

>
> Maybe as GQRP "lurker" on the NJQRP & QRP-L lists I can jump in here. Skip
> suggested that publishing and mailing dates could be posted on our website.

> The trouble is, that date isn't known far enough in advance. Like ARCI and
> NORCAL, the editors have pressing day jobs and SPRAT gets finished within a
> rough time frame. Once it does go off to the printers, George Dobbs will
> post a message on QGRP-1 and QRP-1.
>
> Lately, I've taken to expanding that on the club website
> (<http://www.btinternet.com/~g4wif/gqrp.htm>) with contents of the upcoming
> SPRAT.
>
> So I think the best we can do is announce it's imminent arrival - and then
> sit back and wait. If you need to check your member status, then an e-mail
> will do it. Presumably, the same applies to the other clubs mentioned.
>
> Kind regards
> Tony - G4WIF
>
> ===== NJ QRP Club Mailing List =====
> To unsubscribe from this list, send email to listserver@vramp.net
> and put the text "unsubscribe njqrp" in the message. To post a
> message to the list, send email to njqrp@njqrp.org.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Sat, 10 Apr 1999 11:28:15 -0400 (EDT)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: [qrp-1](mailto:qrp-1@lehigh.edu) <qrp-1@lehigh.edu>
Subject: [37770] Dayton QRP Banquet info
Message-ID: <Pine.LNX.3.95.990410112424.10260A-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If you haven't been keeping up...

Current attendance (for which I've received payment, not including myself)
is 80 and steadily increasing. When you send away for your Hamvention
ticket, don't forget to sign up for this much-awaited event!

Friday, May 14, 1999, 7:30 p.m. (Days Inn Sayton South, Miamisburg)
Food, fun, prizes, and more food!

\$25, make check out to QRP ARCI and send with SASE to

Scott Rosenfeld N7JI
2250 Patterson St. #50
Eugene, OR 97405-2988

Scott Rosenfeld ARS N7JI
541-346-7401 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Sat, 10 Apr 1999 11:55:45
From: radioham@erols.com
To: qrp-1@Lehigh.EDU
Subject: [37771] Request for Assistance with Kent Touch Paddle Kit
Message-ID: <3.0.1.16.19990410115545.3f4f7a98@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

To the list that knows all:

At the Timonium Hamfest two weekends ago, a ham, whose name and call I unfortunately do not remember, was selling Kent paddles and the Kent twin touch paddle and keyer kit. He had some completed models and I was very impressed with the ease of their use. He even said that QRPer's like these because they are so small and light - I was sold. The kits themselves were poly bagged with a red R.A. Kent top label with an address in Britain. Flushed with the glow of ham radio from Atlanticon, I purchased one of these kits and did not open it for a few days. I was hoping this would be a good intro to paddles, since I have always had lots of trouble using convential ones (too heavy handed?) and stick with my straight key. When I opened it, I found several problems, including a missing 7805 voltage regulator, some hard to identify part and a reverse labeled PC board.

I have tried to call the US Kent rep repeatedly, coincidentally named Kent, in Arkansas, but his phone just rings with no answer and no answering machine. Do any of you know if there is anyone else this company has as a rep in the States or if I should just write the main firm in Britain? An e-mail address for either the US rep or the main firm would be especially helpful, since I cannot find any for them.

If all else fails, I will probably try to build it from the schematic

anyway - or - offer for sale or trade to some more enterprising list member for something to get me started with a keyer.

Thanks in advance for any help you can offer.

72/73,

Steve Slavsky, N4EUK
Reston, VA

Date: Sat, 10 Apr 1999 12:53:12 -0700
From: Robert P Engelman <rengelwb8uoj@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [37772] 40 METERS
Message-ID: <19990410.125315.-24651.0.rengelwb8uoj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello to all,

I am in the process of re-entering the wonderful world of Ham Radio after a 15 year hiatus. I have built a 624 KITS 40 Meter monoband QRP Transciever (based on a design by Gary Breed) about 5 years ago. It seems to work quite well and am pleased with the radio so far. I have only had it on the air one time in 1993, and am in the process of getting on the air again. The question that I have for discussion is what frequency range would be best for this rig? and QRP in general. It has about 8 watts into an attic mounted Dipole that is oriented east to west. My operating range should be atleast 50 KHZ according to the instruction manual and actual use. I am presently tuned in from around 7.075 to 7.160 . My operating time would mainly be in the morning to early afternoon, as I work the afternoon shift. Also I am presently holding a General class license, so the frequencies should be limited to that area of the band. I am located in Grafton, OH, which is about 20 miles South of Lorain, OH.

Thanks to all in advance,

Bob WB8UOJ

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or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 10 Apr 1999 13:06:48 -0400
From: dor <elbc@pivot.net>
To: rengelwb8uoj@juno.com, Robert P Engelman <rengelwb8uoj@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37773] Re: 40 METERS
Message-ID: <99041013081600.00380@localhost.localdomain>
Content-Type: text/plain
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Sat, 10 Apr 1999, Robert P Engelman wrote:

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>

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>after a 15 year hiatus. I have built a 624 KITS 40 Meter monoband QRP
>Transciever (based on a design by Gary Breed) about 5 years ago. It
>seems to work quite well and am pleased with the radio so far. I have
>only had it on the air one time in 1993, and am in the process of getting
>on the air again. The question that I have for discussion is what
>frequency range would be best for this rig? and QRP in general. It has
>about 8 watts into an attic mounted Dipole that is oriented east to west.
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>manual and actual use. I am presently tuned in from around 7.075 to
>7.160 . My operating time would mainly be in the morning to early
>afternoon, as I work the afternoon shift. Also I am presently holding a
>General class license, so the frequencies should be limited to that area
>of the band. I am located in Grafton, OH, which is about 20 miles South
>of Lorain, OH.

>

>Thanks to all in advance,

>

>Bob WB8U0J

hi Bob,

You should tune it down a little to about 7035 and up.. that way you will
include most of the qrp operating frequencies. especially around 7.040
hope to hear you on the band.

73 dave kc1di

Date: Sat, 10 Apr 1999 13:20:54 -0400 (EDT)
From: "L. Jeffrey Hetherington" <jhetheri@npipec.on.ca>
To: Multiple Recipients of List <qrp-l@lehigh.edu>, Canadian QRP List <qrp-canada@lists.gpfn.sk.ca>

Subject: [37774] WAS-QRP ??
Message-ID: <Pine.SGI.3.96.990410131852.1541A-100000@nev.npiec.on.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All!

I've just finished checking through my QSL's I've received and I am getting close to WAS-QRP. My question is what requirements the ARRL has for confirming QRP operations. Several of my contacts have been during contests, and do not indicate /QRP or FB QRP SIG on the card. Are these requirements for the WAS-QRP endorsement?

Thanx.

Jeff - VA3JFF

<http://www.geocities.com/Colosseum/2572/QRP.html>

Date: Sat, 10 Apr 1999 12:52:11 -0500 (GMT+5)
From: wd9eyb@butler.indiana.net
To: qrp-l@lehigh.edu (QRP List)
Subject: [37775] Four Kinds of Spread Spectrum
Message-ID: <199904101752.MAA23147@butler.indiana.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

There are 4 kinds of spread spectrum, frequency hopping, direct sequence, pulse, and chirp. Your ham license allows you to use 2 on UHF bands, frequency hopping and direct sequence. Spread spectrum is neat.

I once looked at ground penetrating radar.
It would unload a big huge pulse into an antenna.
The antenna would determine the spectrum of the emitted signal.
Works good for finding buried pipes, etc.
Works great in dry sand, not so good in wet clay.

I once built a spread spectrum QRP rig.
It operated on the 70 cm band.
It was direct sequence with a bandwidth of 2 MHz.
The data was digitized voice at a 39 kbps bit rate.
Amazingly it worked.
Pieces of it now fill my junk box.

I think maybe TAPR and AMRAD are trying to do some spread spectrum stuff.

I would like to see this stuff become main line ham radio.
Why can cordless phones be spread spectrum and not HT's?

Thanks for reading my ramble,

Jim, WD9EYB

Date: Sat, 10 Apr 1999 11:08:30 -0700
From: Bradford D Bilbrey <bigdawg74@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [37776] Assembly Notes for Kits
Message-ID: <19990410.110831.11982.1.bigdawg74@juno.com>

Hello All:

Just wanted to help all you kit builders out there with a few helpfull tips when building those K2's or what ever kit you've purchased. First let me say that all tips are compliant with ANSI IPC standards, however opinions may vary and this is just my opinion, so don't flame me if you disagree. My opinions are based on many years of experience as both a Systems Manufacturing Engineer and Production Manager.

1. Try not to allow your soldering iron to exceed 700 degrees, prolonged contact with the PCBA (printed circuit board assembly) can cause the board traces to delaminate. When soldering, use allot of flux, If you are using fine gauge flux core solder, augment the flux supply with additional bottled flux. Sufficient flux is necessary for proper whetting and good solder joints. Try not to use more solder than necessary, you want a nice miniscus around the lead and not a "ball" of solder.
2. Use a water soluble flux such as Kester 2331 flux or 231 flux core solder. It costs more but worth it.
3. Always clean your PCBA. All but the "No-Clean" flux is loaded with TDS materials (Total Disolved Solids) that can allow bias currents to flow across sensitive junctions and cause high resistance shorts and be a catalyst for dendritic growth under certain conditions. I know that some companies do not clean there boards, that is because Freon TMC is no longer available and a good Aquious (water) cleaning sustem is expensive.
4. To clean a PCBA when water soluble flux is used, mix a 50-50 solution of a high surfactant detergent such as Dawn. Approach the sink with PCBA in hand and start a stream of water with the OTHER hand, place you hand in the water stream to discharge any Electro Static Charge that has

built up on your body as you walked to the sink. Squirt a liberal portion of your detergent solution on the back solder side (clean the component side only if necessary)of the board and scrub vigorously (tooth brush will work) until the PCBA is nice and foamy (that's a technical term). Rinse and inspect the PCBA for residual flux, if any is detected, repeat the procedure. Perform a 2nd rinse in Deionized or demineralized (distilled) water and let dry over night. If you have a supply of Isopropanol or Isoprofil Alcohol, dip the PCBA several times to displace the water on the board after the water rinse. The results will be quite pleaseing a professional looking.

5. To clean a PCBA when resin flux is used, DO NOT USE ALCOHOL! This will only desperse the contaminants across the surface of the PCBA, Alcohol is not a solvent! Use a citric acid based detergent, available from companies such as Baxter etc. Heat the solution as hot as you can without burning yourself and scrub the PCBA with a brush, always use rubber gloves during this procedure! Prolonged exposure to this type of detergent will burn your hands and cause the solder joints to become dark grey. This will clean your PCBA, but I do not recommend this method of cleaning,

Just buy some water soluable flux!

6. When clipping though hole leads, try not to cut into the solder joint as this can fracture the joint. Excess solder makes this difficult. Excessive lead length will allow clenching (when the lead bends over and touches adjacent leads).

7. If your kit is intended for portable use, hot glue will add a good measure of rigidity to any component that is loose enough to move when you shake the PCBA.

Regards

Brad KE7MU, OHR-400, QRP-L # 1912

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or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 10 Apr 1999 13:26:06 -0500
From: "Chuckee" <cdhamel@pdq.net>
To: "QRP-L Mailing List" <qrp-l@Lehigh.EDU>
Subject: [37777] 40 meter dipole
Message-ID: <000a01be837f\$9b39e320\$ee4058d8@charles>

MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all, I am slowly setting up a station on 40 meters, so far I have a Tejas Keyer, will be ordering the SML40+ soon, I have a radio shack 12 volt regulated power supply, now I need a antenna. I want to make a dipole so I do not have to get a antenna tuner. (trying to keep my costs as low as possible) Could someone explain to me or direct me to somewhere on what do I need to build a 40 meter dipole. I have a Tech plus license so I have the freqs from 7100-7150.

what Frequencu should I use for QRP?? What wire do I need?, what should I use as insulators?, Do I need a Balun??, What should I feed it with??

Sorry I have so many questions..

Thanks

Charles (KC5DXQ)

Date: Sat, 10 Apr 1999 11:40:16 -0700
From: Bob Hightower <ki7mn@extremezone.com>
To: paule@sfu.ca
Cc: qrp-1@lehigh.edu
Subject: [37778] Re: Software
Message-ID: <199904101837.LAA25077@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 04:35 AM 4/10/99 -0700, you wrote:

>>
>> Confound it, noone ever gives URLs for such things -- kind of like
>> saying, you won 1,000,000. Somewhere.
>>
>> Not really complaining. But I simply have no idea where you get TR
>> whateveritis. I do use LOG-EQF.
>>

The home page for TRLog is at <http://www.qth.com/tr>
72,73

Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>

Date: Sat, 10 Apr 1999 14:53:34 +0000
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.edu>
Subject: [37779] Re: Assembly Notes for Kits
Message-ID: <370F57DE.6F918057@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

bigdawg74@juno.com wrote:

> 2. Use a water soluble flux such as Kester 2331 flux or 231 flux core
> solder. It costs more but worth it.

Better check with Elecraft first if you plan to use water soluble flux on
your K2.

michael N6CHV

Date: Sat, 10 Apr 1999 13:20:55 -0600 (MDT)
From: James P Rybak <jrybak@mesastate.edu>
To: qrp-l@lehigh.edu
Subject: [37780] FS: Unbuilt Norcal 38-Special Kit
Message-ID: <Pine.OSF.4.10.9904101317460.6394-100000@mesa7.mesa.colorado.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

FS: Completely unbuilt Norcal 38-Special kit. \$30 plus \$3.20 Priority
Mail shipping.

Thanks.

Jim Rybak W0KSD

Date: Sat, 10 Apr 1999 15:33:16 -0400

From: Hal Maney <hmaney@earthlink.net>
To: cdhamel@pdq.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [37781] Re: 40 meter dipole
Message-ID: <370FA77C.2988ED8F@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Charles,

I would recommend investing in a copy of the ARRL Handbook.
In the 1999 issue, Chapter 20 answers your antenna questions
in detail with equations, diagrams, and construction hints.

Hal

Chuckee wrote:

>
> Hi all, I am slowly setting up a station on 40 meters, so far I have a
> Tejas Keyer, will be ordering the SML40+ soon, I have a radio shack 12 volt
> regulated power supply, now I need a antenna. I want to make a dipole so I
> do not have to get a antenna tuner. (trying to keep my costs as low as
> possible) Could someone explain to me or direct me to somewhere on what do I
> need to build a 40 meter dipole. I have a Tech plus license so I have the
> freqs from 7100-7150.
>
> what Frequencu should I use for QRP?? What wire do I need?, what should I
> use as insulators?, Do I need a Balun??, What should I feed it with??
>
> Sorry I have so many questions..
>
> Thanks
>
> Charles (KC5DXQ)

--
Hal Maney, K1HM
maney@ieee.org

Date: Sat, 10 Apr 1999 15:05:05 -0500
From: Lee Bahr <bahr521@earthlink.net>
To: qrp-1@Lehigh.EDU
Subject: [37782] K2 & Water Soluable Solder
Message-ID: <370FAEF1.7BC003F6@earthlink.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

If you use water soluble flux solder on a K2, you will void the warranty as someone did this and the thing acted as a ping pong ball as the flux is hard to remove and it is conductive. It seems the stuff was made for industrial use and is very hard to remove by hand. Apparently a power spray wash is needed to remove it. I built my K2 using Kester 245 low flux solder, and it works great. This is not the same thing as water soluble solder. Elecraft has stated the water soluble stuff will void their warranty if you use it. Lee Bahr w0vt

Date: Sat, 10 Apr 1999 16:02:11 -0400
From: Tom Bowman <tbowman@nbn.net>
To: qrp-l@lehigh.edu
Subject: [37783] FS: all kinds of stuff
Message-ID: <3.0.5.32.19990410160211.007ee100@nbn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Cleaning the shack:

Omega Noise bridge, Model TE 7-02, extended range.
Manual included says it good up to 300 mHz, \$25

MFJ CW Filter CWF-2, active IC filter, \$25

Autek QF-1A SSB/CW/AM filter, \$45

Eico Model 710 Grid Dip Meter, with coils, \$25

Radio Shack digital signal processor, DSP-40,
cat. No. 21-543. I paid \$30 or so for this on closeout.
The amplifier and the built-in speaker work fine
and it would make a great external amplifier
for a QRP rig. But don't expect much more.
Make an offer.

And this really is a QRP receiver. And it really works,
X/K/super wideband Ka and Laser detection.
BEL 590i plus radar detector, made by
Bel-Tronics. \$35.

Plus shipping from 17064.

Thanks,

Tom, WA3REY

<>< Tom Bowman, WA3REY, Mount Gretna, PA 17064

tbowman@mt-gretna.com QRP-L #125

<http://www.mt-gretna.com>

Date: Sat, 10 Apr 1999 20:00:59 +0100
From: Peter Larsen <larsenp@cadvision.com>
To: Low Power <qrp-l@Lehigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [37784] WILD ROSES on Sat.
Message-ID: <370F9FEB.33EDDC15@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am on 28.310 SSB and Don VE6EY is on 14.060
Right now.
19:57 on Sat April 10, 1999.

--
73 es have fun
Peter
VE6YC D021wc

Artificial intelligence is no match for natural stupidity.

Date: Sat, 10 Apr 1999 15:36:30 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [37785] Unique "Micropaddle"
Message-ID: <199904102021.QAA19155@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Howdy,

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What's unique about this is it uses one of those heavy duty spring paper clips for the mech. You know, the kind with the two fold out tabs? He uses what looks to be the smallest clip available. It's simply clipped to a wooden post and brass buttons attached to the tabs for finger pieces. Looks like maybe some rubber for the "springs" and regular paper clips for the contacts. To finish it off, there are three suction cups on the bottom of the wooden base to hold it down. The base looks to be a triangle about 2" on a side. Can't weigh much.

The reviewer said it works pretty good. It's also cheap, under \$20.00 for a built one (\$19.95?) and \$10.00 for a kit. Even includes 30" cable and plug. Could be an ideal backpackers paddle.

He's got a web site, so you can check it out at
<http://www.qth.com/k9lu>

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: 10 Apr 1999 15:32:09 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [37786] FW: Meter calibrations, linearity
Message-ID: <n1288364103.92100@msmailgw1.arlut.utexas.edu>

From: rohre on Sat, Apr 10, 1999 3:19 PM
Subject: Meter calibrations, linearity
To: qrp-l@lehigh.edu

Private emails re the posting of how to use the Ten Tec power meter for QRP prompt a couple of additional comments. Mine was checked with several power meters including a known good Bird.

Calibration is a concern of some. The best way a ham can do a good calibration with little test equipment is to find a friend with a known good Bird wattmeter. Most hams around here know at least one ham with a Bird. It is actually surprising how many are out in the ham community. Check some well trusted commercial Yaecomwood fixed output rig on the Bird to verify it, if that is a concern.

You can do what is called a transfer calibration. Take a trusted rig, of known measured output, such as a 49'er with fresh battery. Check it on a known good meter, like the Bird. Or use a variable power output of a new rig with built in meter, which should be within 5%. (If you are that close, the other end of The QSO will never see the fraction of dB you might be off, if you had 4.8 watts rather than 5.)

Bring the "transfer standard" you did the comparison calibration upon back to your own Ten Tec meter. Redo its calibration pot to the calibrated output of the standard. Now, since the Ten Tec uses a meter amplifier circuit, they have taken into account the possible non linear diode effects, and your meter will be right on at the power you set, and close across the range. If you wanted to get fancier, you could substitute low power diodes, or put adjustments in the meter amplifier to compensate the calibration.

The Ten Tec has cal pots for each power range, high and low, and for each coupler, HF and VHF. You could QRP only the HF range, if you do not care about QRP power on VHF, or the other way around, etc.

The Stockton type HF coupler used in the Ten Tec kit is very good at low powers, see the write ups on it in the "Sprat" magazine: Stockton Power Meter. The VHF coupler is adequate, but is of the monimatch stripline type of circuit. It too, uses the amplifier circuit to drive a meter. I have found it has relative and useful readings on 440MHz although only intended for 2M and 6M. (Careful assembly can help this.)

Most people forget that what you are seeking with the SWR measurement is a null, and the absolute value of SWR is not as important as being at the null, in the band, and on the frequency of interest. The null does not depend on the calibration of the meter, but only the ratio of forward and reflected power.

There are DC methods of calibrating a diode probe. These depend on setting an output using steps of known DC power supply. Most hams have or can get a fine DMM from many sources for \$20 or more for fancier ones. With a DMM, and the DC method, you could calibrate many steps of a power meter. This has been written up in the magazines more than once in the last 10 years. I don't have an exact reference at hand, but look at your back issues of QST, CQ, 73, and the QRP journals.

You simply have to understand DC power vs. AC (RF). Take into account RMS equivalents in DC power, and you can get a very good calibration done.

Hope these help,

Stuart K5KVH

Hams build, improvise, and have fun!

Date: Sat, 10 Apr 1999 16:31:45 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: cdhamel@pdq.net
Cc: QRP-L@Lehigh.edu
Subject: [37787] Re: 40 meter dipole
Message-ID: <370FB531.156F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Chuckee,

This is going to sound a bit strange but before you buy a piece of wire go out and buy yourself a copy of the Radio Amateurs Handbook. It will tell you all you need to know about building dipoles, and other antennas to boot. It will also fill your evening and Saturday hours with lots of other reading that will be good for you.

Somehow I thought the Tech + license required some theory. Antenna theory is the most basic and at one level the easiest to learn. A good antenna will enhance your rig, a poor one will simply make it worse. Stick with something simple and basic, like your choice, the dipole.

The other questions are best answered after you have some background. Ask local hams for advice.

73

Date: Sat, 10 Apr 1999 15:43:54 -0500
From: "chris cieslak" <ccieslak@law.uiuc.edu>
To: <kd1jv@moose.ncia.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37788] Re: Unique "Micropaddle"
Message-ID: <003901be8392\$da1621e0\$12ba9acf@ais.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Tried out one of these at the Grayslake, IL hamfest last weekend. Actually, believe it or not, they feel pretty decent. Almost bought one but the

fellow had packed up and gone home before i could get back to the table.

73, chris aa9hd

----- Original Message -----

From: Steven Weber <kd1jv@moose.ncia.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Saturday, April 10, 1999 10:36 AM
Subject: Unique "Micropaddle"

> Howdy,
>
> I picked up a copy of the Jan, '99 Nuts and Volts at a local swap
> meet today. In it I found a review of a neat little paddle made by
> K9LU called the "MicroPaddle".
>
> What's unique about this is it uses one of those heavy duty spring
> paper clips for the mech. You know, the kind with the two fold out
> tabs? He uses what looks to be the smallest clip available. It's
> simply clipped to a wooden post and brass buttons attached to the tabs
> for finger pieces. Looks like maybe some rubber for the "springs" and
> regular paper clips for the contacts. To finish it off, there are
> three suction cups on the bottom of the wooden base to hold it down.
> The base looks to be a triangle about 2" on a side. Can't weigh
> much.
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> The reviewer said it works pretty good. It's also cheap, under \$20.00
> for a built one (\$19.95?) and \$10.00 for a kit. Even includes 30"
> cable and plug. Could be an ideal backpackers paddle.
>
> He's got a web site, so you can check it out at
> <http://www.qth.com/k9lu>
> 72,
> Steve, KD1JV in the white Mountains of New Hampshire
> "melt solder"
>

Date: Sat, 10 Apr 1999 16:57:56 EDT
From: N10DL@aol.com
To: qrp-l@lehigh.edu
Subject: [37789] RE: 40 meter dipole
Message-ID: <4afee29c.24411554@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Joe Everhart makes a great dipole for several different bands and they are very inexpensive. I own two of them and use them when I travel. The one I use the most is cut to 14.058 and works great without a tuner into my Wilderness SST-20. Joe's call is N2CX and you might look in the callbook for his address. Someone on this page may know his e-mail or address. I really like these dipoles and have had some great conversations on them at 3-4 watts. They are small enough to put in a plastic baggie and throw in the suitcase. Good Luck.

Aron Brown
Bedford NH
N10DL
FISTS#4110
QRP-L#1326

Date: Sat, 10 Apr 1999 14:06:02 -0700
From: Mighty Mik <mitymik@hooked.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [37790] I warble??
Message-ID: <370FBD3A.69F74BAD@hooked.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I managed to pick off the Spring Boquet station today, who gave me a '557'...and said later that i have a 'warble'...I was on the NC20, which is all stock EXCEPT i put a bigger cap in the VFO, so i could use it with a 6M transverter (47pF...gives me a range of 14.000-194). I only have 2 QSOs on it at this point...so i'll be looking to get this ironed out before QRPTTF. anyone have ideas, comments?

i'm waiting on my new case before i do the AGC mod.

Date: Sat, 10 Apr 1999 14:22:05 +0000
From: Scott Gregson - KC7MAS <emtech@steadynet.com>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [37791] Emtech Coax-Grabber - taking orders!
Message-ID: <370F5E8D.A0CEF61B@steadynet.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Howdy y'all,

I just wanted to let you know that the Emtech Coax-Grabber is due out at the end of May. It will "grab" RG-6, RG-8, and RG-58 (actually anything that measures .195" or .405", ie RG11, RG133, RG142B, 9913/14, etc.). It does NOT have a balun. If you use a Z-match ATU you won't need a balun. Check out the ZM-2 ATU on our web site.

We are offering a "pre-production" sale price now... \$6.00 vs. regular price of \$7.75. This includes shipping. The \$6.00 is good on orders post-marked before 5/15/99.

We have an Isometetric view of the part on our web site at:

<http://emtech.steadynet.com/cgrabber.htm>

Order form at:

<http://emtech.steadynet.com/qrporder.htm>

Wholesalers have a special price until 5/15/99 also - call/email.

--

Scott Gregson - KC7MAS

emtech@steadynet.com

<http://emtech.steadynet.com>

+++++

Scott Gregson Co. / Emtech / CFC

1127 Poindexter Ave W

Bremerton, WA 98312

Date: Sat, 10 Apr 1999 13:39:02 -0800

From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>

To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>

Subject: [37792] Re: Unique "Micropaddle" - "BullDog" Iambic Key by K9LU

Message-ID: <370FC4F6.B68B6C7B@pobox.alaska.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

<http://www.qth.com/k9lu/index.htm>

Seems to tell about this paddle.

--

73, Jim, AL7FS
<http://www.qsl.net/al7fs/>
<mailto:al7fs@qsl.net>
Anchorage, Alaska

Date: Sat, 10 Apr 1999 21:52:08 +0100
From: Peter Larsen <larsenp@cadvision.com>
To: earlmurf@telusplanet.net, Low Power <qrp-1@Lehigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [37793] CANADIAN QRP SPRING BOUQUET, Wild Rose
Message-ID: <370FB9F8.62F9D194@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Here is my ten meter log. Strange propagation
on ten today. I had a guy call me who was 53 running 450
watts. He gave me a 57 and I was running 5 watts.
The band went real long in the next 5 minutes so I packed
it in.

19:23	AC4S	55	59	FLA	5w	Stan
19:35	KE4UOF	57	57	FLA	5w	Butch
19:44	VE6NJK	57	57	Alta.	4.5w	Niels QRP-C #??
19:48	KB4LGG	57	59	FLA.	5w	Bob
19:53	N4PDB	55	58	FLA.	5w	Rick

That's it for today. See you all on April 17. 28.310 SSB

--

73 es have fun
Peter
VE6YC D021wc

Artificial intelligence is no match for natural stupidity.

Date: Sat, 10 Apr 1999 18:45:48 -0400
From: Clay N4AOX <wyn@worldnet.att.net>
To: gzimmer@vic.bigpond.net.au
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [37794] Re: Pulse Radio
Message-ID: <370FD49C.6A0F@worldnet.att.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Graeme Zimmer wrote:

>
> > Check out this article from USA Today
> > <http://www.usatoday.com/money/bcovfri.htm>
> > Another amateur radio operator makes a "splash" in technology.
> > This is very cool stuff. If you want more detailed info look up his
> > patents.
>
> Bah! It's "just" Spread Spectrum.....
>
Huh?! We all know "Spread Spectrum" was invented by Hedy Lamarr circa
WWII, not this guy Fullerton.

72/73,
Clay N4AOX

Date: Sat, 10 Apr 1999 18:48:26 -0400
From: Fred Lesnick <flesnick@tbaytel.net>
To: "qrp-canada@lists.gpfn.sk.ca" <qrp-canada@lists.gpfn.sk.ca>, qrp-l <qrp-l@Lehigh.EDU>
Subject: [37795] Hooked on Tests....
Message-ID: <370FD539.231D2F62@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Is there an up to date web site that I can grab all the current QRP
contest(fun) information.....Im not in it for the points or the scores,I
just have too much fun.And what better mode then CW is there....????
72 Fred VE3FAL

You can do so much with so little...

Date: Sun, 11 Apr 1999 08:50:06 +1000
From: "Graeme Zimmer" <gzimmer@vic.bigpond.net.au>
To: <mikemo@ibm.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37796] Re: Pulse Radio

Message-ID: <01d601be83a4\$7ae11880\$b719c018@vic.bigpond.net.au>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

> I have received many messages saying "it's just spread spectrum". Well,
> I don't think that it is.
> Here is a snip from the patent.
> "transmitting a series of spaced, A.C., carrierless burst signals, each
> of which is generally monocyclic, into free space"

There are many types of Modulation possible in Spread Spectrum.

The simplest is Pulse Position Modulation (which is what this probably is).

It is not permitted under the present regs because it does not cancel out
the carrier as the usual PSK does.

73's Zim VK3GJZ

Date: Sat, 10 Apr 1999 16:57:46 -0600 (MDT)

From: James P Rybak <jrybak@mesastate.edu>

To: qrp-l@lehigh.edu

Subject: [37797] Unbuilt 38-Special Sold.

Message-ID: <Pine.OSF.4.10.9904101656160.26061-1000000@mesa7.mesa.colorado.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

The unbuilt 38-Special kit is sold.

Thanks to all those who responded.

73,

Jim W0KSD

End of QRP-L Digest 1422
